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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1658.0020003/MAC/MBTAPPLICATION NO.
09/943,084APPLICANT
KIM et al.FILING DATE
August 31, 2001GROUP
1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
RT	AA1	4,526,938	07/02/1985	Churchill et al.	525	415	04/15/1983
	AB1	4,654,324	03/31/1987	Chance et al.	514	12	12/17/1984
	AC1	4,853,226	08/01/1989	Machida et al.	424	426	10/07/1987
	AD1	4,857,505	08/15/1989	Arendt	514	2	03/09/1987
	AE1	4,942,035	07/17/1990	Churchill et al.	424	423	03/27/1985
	AF1	4,985,404	01/15/1991	Mitchell	514	6	06/29/1988
	AG1	B1 4,985,404	04/21/1992	Mitchell	514	6	06/29/1988
	AH1	5,091,185	02/25/1992	Castillo et al.	424	438	06/20/1990
	AI1	5,118,666	06/02/1992	Habener	514	12	06/01/1990
	AJ1	5,120,712	06/09/1992	Habener	514	12	06/01/1990
	AK1	5,156,851	10/20/1992	Castillo et al.	424	497	09/19/1991

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
RT	AL1	EP 0 092 918 A2	11/02/1983	Europe			Yes No
	AM1	EP 0 177 478 A2	04/09/1986	Europe			Yes No
	AN1	WO 87/06941 A1	11/19/1987	WIPO			Yes No
	AO1	EP 0 263 490 B1	04/13/1988	Europe			Yes No
	AP1	JP 63-91325	04/22/1988	Japan			Yes X/No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

RT	AR	1	Ballard, B.E., "Chapter 91: Prolonged-Action Pharmaceuticals," in <i>Remington's Pharmaceutical Sciences</i> , 16 th Edition, Osol, A. (ed.), Mack Printing Company, Easton, PA, pp. 1594-1613 (1980).
	AS	1	Bell, G.I. et al., "Hamster preproglucagon contains the sequence of glucagon and two related peptides," <i>Nature</i> 302:716-718, Macmillan Journals Ltd. (1983).
	AT	1	Biessels, G.-J. et al., "Place Learning and Hippocampal Synaptic Plasticity in Streptozotocin-Induced Diabetic Rats," <i>Diabetes</i> 45: 1259-1266, The American Diabetes Association (September 1996).

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RT	AA2	5,175,145	12/29/1992	Cooper	514	4	01/14/1992
	AB2	5,232,708	08/03/1993	Castillo et al.	424	497	05/21/1992
	AC2	5,424,286	06/13/1995	Eng	514	2	05/24/1993
	AD2	5,536,508	07/16/1996	Canal et al.	424	501	10/21/1993
	AE2	5,545,618	08/13/1996	Buckley et al.	514	12	12/10/1993
	AF2	5,574,008	11/12/1996	Johnson et al.	514	12	08/30/1994
	AG2	5,614,492	03/25/1997	Habener	514	12	11/23/1993
	AH2	5,631,224	05/20/1997	Efendic et al.	514	12	10/13/1994
	AI2	5,700,486	12/23/1997	Canal et al.	424	501	04/30/1996
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
RT	AL2	WO 88/07366 A1	10/06/1988	WIPO			Yes No
	AM2	EP 0 343 696 A2	11/29/1989	Europe			Yes No
	AN2	WO 90/11296 A1	10/04/1990	WIPO			Yes No
	AO2	WO 91/11457 A1	08/08/1991	WIPO			Yes No
	AP2	EP 0 442 671 A2	08/21/1991	Europe			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

RT	AR	2	Blackmore, P.F. et al., "Absence of insulinotropic glucagon-like peptide-I(7-37) receptors on isolated rat liver hepatocytes," <i>FEBS</i> 283:7-10, Federation of European Biochemical Societies and Elsevier Science Publishers B.V. (1991).
	AS	2	Cross, S.E. and Roberts, M.S., "Subcutaneous Absorption Kinetics and Local Tissue Distribution of Interferon and Other Solutes," <i>J. Pharm. Pharmacol.</i> 45:606-609, Pharmaceutical Press (July 1993).
	AT	2	Deckert, T. et al., "Absorption of NPH-Insulin from Subcutaneous Tissue: A Methodological Study in Pigs," <i>Acta Pharmacol. Toxicol. (Copenh.)</i> 51:30-37, Munksgaard International Publishers Limited (1982).

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RT I	AL3	EP 0 462 959 B1	12/27/1991	Europe			Yes No
	AM3	EP 0 473 268 A2	03/04/1992	Europe			Yes No
	AN3	EP 0 486 959 B1	05/27/1992	Europe			Yes No
	AO3	JP 4-210928	08/03/1992	Japan			Yes No
	AP3	JP 4-230210	08/19/1992	Japan			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

RT I	AR	3	Gennaro, A.R., "Chapter 23: Inorganic Pharmaceutical Chemistry," in <i>Remington's Pharmaceutical Sciences</i> , 16 th Edition, Osol, A. (ed.), Mack Publishing Co., Easton, PA, pp. 343-363 (1980).
	AS	3	Ghiglione, M. et al., "How glucagon-like is glucagon-like peptide-1?" <i>Diabetologia</i> 27:599-600, Springer-Verlag (1984).
	AT	3	Gill, I.J. et al., "Cyclodextrins as protection agents against enhancer damage in nasal delivery systems II. Effect on in vivo absorption of insulin and histopathology of nasal membrane," <i>Eur. J. Pharm. Sci.</i> 1:237-248, Elsevier Science B.V. (June 1994).

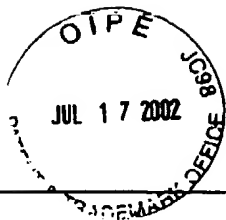
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	APPLICANT KIM et al.	
	FILING DATE August 31, 2001	GROUP 1646

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL4	JP 4-283510	10/08/1992	Japan			Yes X No
RT	AM4	EP 0 526 862 A1	02/10/1993	Europe			Yes No
I	AN4	WO 93/18785 A1	09/30/1993	WIPO			Yes X No
	AO4	WO 93/18786 A1	09/30/1993	WIPO			Yes No
I	AP4	WO 93/19175 A1	09/30/1993	WIPO			Yes X No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

RT	AR	4	Heinrich, G. et al., "Pre-Proglucagon Messenger Ribonucleic Acid: Nucleotide and Encoded Amino Acid Sequences of the Rat Pancreatic Complementary Deoxyribonucleic Acid," <i>Endocrinology</i> 115:2176-2181, The Endocrine Society (1984).
I	AS	4	Hendrick, G.K. et al., "Glucagon-like Peptide-I-(7-37) Suppresses Hyperglycemia in Rats," <i>Metabolism</i> 42:1-6, W.B. Saunders Company (January 1993).
I	AT	4	Hirano, K. and Yamada, H., "Studies on the Absorption of Practically Water-Insoluble Drugs following Injection VIII: Comparison of the Subcutaneous Absorption Rates from Aqueous Suspensions in the Mouse, Rat and Rabbit," <i>J. Pharm. Sci.</i> 72:608-612, American Pharmaceutical Association (1983).

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
RT	AL5	WO 93/25579 A1	12/23/1993	WIPO			Yes No
I	AM5	EP 0 619 322 A2	10/12/1994	Europe			Yes No
	AN5	WO 95/05848 A1	03/02/1995	WIPO			Yes No
	AO5	WO 95/07098 A1	03/16/1995	WIPO			Yes No
	AP5	WO 95/17510 A1	06/29/1995	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

RT	AR	5	Holst, J.J. et al., "Truncated glucagon-like peptide-I, an insulin-releasing hormone from the distal gut," <i>FEBS Lett.</i> 211:169-174, Federation of European Biochemical Societies and Elsevier Science Publishers B.V. (Biomedical Division) (1987).
I	AS	5	Kreymann, B. et al., "Glucagon-like Peptide-1 7-36: A Physiological Incretin in Man," <i>Lancet</i> 2:1300-1304, The Lancet Publishing Group (1987).
/	AT	5	Krówczyński, L., "Technologia postaci leków (technologic galenowa)," Kierownik Katedry Farmacji Stosowanej AM w Krakowie, Warszawa, pp. 220, 463-464, 490 and 502 (1969).

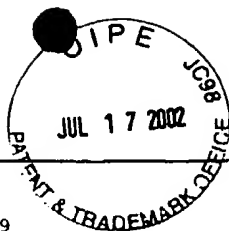
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
RT	AL6	WO 95/31214 A1	11/23/1995	WIPO			Yes No
I	AM6	EP 0 658 568 A1	06/21/1995	Europe			Yes No
	AN6	WO 96/20005 A1	07/04/1996	WIPO			Yes No
	AO6	EP 0 733 644 A1	09/25/1996	Europe			Yes No
	AP6	FR 2 732 894	10/18/1996	France			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

RT	AR	6	Lacy, P.E. and Kostianovsky, M., "Method for the Isolation of Intact Islets of Langerhans from the Rat Pancreas," <i>Diabetes</i> 16:35-39, The American Diabetes Association (1967).
I	AS	6	Lahey, J.R.T. et al., "Dietary Lipid Content influences the Clinical and Intestinal Adaptive Responses to Islet Transplantation in Diabetic Rats," <i>Diabetes Res.</i> 19:149-164, Tevot-Kimpton Publications (1992).
	AT	6	Lehninger, A.L. et al., "Biochemistry," Worth Publishing, New York, NY, p. 62 (1975).

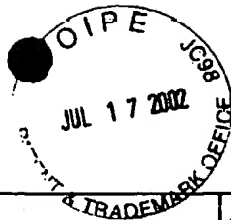
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R. T. Allen

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL7	DE 195 30 865 A1	02/27/1997	Germany			Yes <input checked="" type="radio"/> No
RT	AM7	WO 97/07814	03/06/1997	WIPO			Yes <input checked="" type="radio"/> No
	AN7						Yes <input checked="" type="radio"/> No
	AO7						Yes <input checked="" type="radio"/> No
	AP7						Yes <input checked="" type="radio"/> No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

RT	AR	1	Lopez, L.C. et al., "Mammalian pancreatic preproglucagon contains three glucagon-related peptides," <i>Proc. Natl. Acad. Sci. USA</i> 80:5485-5489, The National Academy of Sciences of the U.S.A. (1983).
	AS	1	Mosjov, S., "Structural requirements for biological activity of glucagon-like peptide-I," <i>Int. J. Peptide Protein Res.</i> 40:333-343, Munksgaard International Publishers Ltd. (September/October 1992).
	AT	1	Nara, E. et al., "A new method for assessment of drug absorption from muscle: application of a local perfusion system," <i>J. Pharm. Pharmacol.</i> 43:272-274, Pharmaceutical Press (1991).

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	AL8						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

RT	AR	8	Seshiah, V. et al., "Effect of Bed Time Intermediate Acting Insulin in NIDDM Subjects Refractory to a Combination of Sulphonylureas and Biguanides," JAPI 40:666-668, The Association of Physicians of India (October 1992).
I	AS	8	Supersaxo, A. et al., "Effect of Molecular Weight on the Lymphatic Absorption of Water-Soluble Compounds Following Subcutaneous Administration," Pharm. Res. 7:167-169, Plenum Publishing Corporation (1990).
I	AT	8	Suzuki, S. et al., "Comparison of the Effects of Various C-Terminal and N-Terminal Fragment Peptides of Glucagon-Like Peptide-1 on Insulin and Glucagon Release from the Isolated Perfused Rat Pancreas," Endocrinology 125:3109-3114, The Endocrine Society (1989).

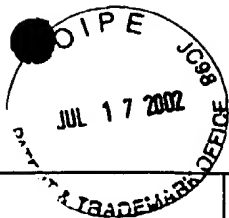
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	AL						Yes No
	AM						Yes No
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RT	AR	9	Conn's Current Therapy, Rakel, R.E. (ed.), W.B. Saunders Company, Philadelphia, p. 483 (1989).
	AS	2	Dorland's Illustrated Medical Dictionary, Edition 28, W.B. Saunders Company, Philadelphia, p. 1613 (September 1994).
	AT	9	Roget's International Thesaurus, Third Edition, Thomas Y. Crowell Company, Inc., New York, pp. 36 and 769 (1962).

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	AN						Yes No
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	AP						Yes No

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RT	AR	10	Remington's Pharmaceutical Sciences, 16 th Edition, Osol, A. (ed.), Mack Printing Company, Easton, PA, pp. 1448, 1450, 1451, 1453, 1467 and 1555 (1980).
I	AS	10	Dialog File 351, Derwent World Patent Index Accession No. 10982383, Abstract for FR 2 732 894 A1.
I	AT	10	Dialog File 351, Derwent World Patent Index Accession No. 11168515, Abstract for DE 19530865 A1.

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